

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **04-323625**

(43)Date of publication of application : **12.11.1992**

(51)Int.Cl.

**G02F 1/136**

**G02F 1/133**

**G02F 1/1337**

**G02F 1/1343**

**H01L 27/12**

**H01L 29/784**

(21)Application number : **03-092328**

(71)Applicant : **SONY CORP**

(22)Date of filing : **23.04.1991**

(72)Inventor : **SATO TAKUO**

## (54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

**PURPOSE:** To prevent the generation a reverse tilt domain and to greatly improve the contrast of display images.

**CONSTITUTION:** The distance DB between a picture element electrode 1 and signal bus line 4 on the rear side of the rubbing direction P on the picture element electrode 1 side is set larger ( $=6\mu\text{m}$ ) than the gap d ( $=5\mu\text{m}$ ) between the picture element electrode 1 and a counter electrode 11. On the other hand, the distance DA between the picture element electrode 1 and the signal bus line 4 on the front side of the rubbing direction P on the picture element electrode 1 side is sent smaller ( $=2\mu\text{m}$ ) than the gap d ( $=5\mu\text{m}$ ) between the picture element electrode 1 and the counter electrode 11.

